

**AMENDMENTS TO THE SPECIFICATION:**

Please add the following new subheading at page 1, after the title as follows:

**BACKGROUND OF THE INVENTION**

Please amend the paragraph beginning at page 1, line 4, as follows:

The present invention concerns an apparatus for collecting ground radar data with polarization information ~~as described in the preamble to claim 1.~~

Please add the following new subheading at page 2, between lines <sup>12</sup>~~13~~ and <sup>13</sup>~~14~~, as follows:

ycc  
11/7/07

**SUMMARY OF THE INVENTION**

Please amend the paragraph beginning at page 2, line 13, as follows:

~~The object~~ One aspect of this invention is consequently to achieve an apparatus for collecting ground radar data with polarization information ~~that makes this possible and is achieved with an apparatus that exhibits the distinctive features and characteristics specified in claim 1.~~

Please amend the paragraph beginning at page 2, line 16, as follows:

~~More precisely, the idea of invention is essentially based on the~~ According to one example of the invention, there is provided a transmitter unit and sampler unit plus ~~the an~~ A/D converter contained in the sampler unit being supported by ~~the a~~ a pair of antennas, ~~while the~~ A power source and ~~the a~~ a control unit are located in ~~the a~~ a main body and are electrically connected